bio-protocol Preprint

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Experimental tumor dormancy

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An abbreviated version of this protocol was published in Oncotarget in Apr 2018

Autophagy-deficient breast cancer shows early tumor recurrence and escape from dormancy

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Detailed protocol

1. Stock solution 1 mM ADR – use dark Eppendorf tubes to make 100 uL aliquots, store at -20
2. Seed cells at 3x10^6 per medium flask in the morning, let cells adhere (at least 4 hours), and treat with ADR high dose (1uM so add 1uL of stock solution per mL of medium – typically do 7 uL in 7 mL medium) – turn lights in hood and hood room off when adding ADR
3. Treat x 2 hours (can do 2.5 hrs)
4. After 2 hours, remove medium, wash with medium then add fresh medium (7-10 mL)
5. Check daily and change medium when needed

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Manjili, M. (2022). Experimental tumor dormancy. Bio-protocol Preprint. bio-protocol.org/prep1547.
2. Aqbi, H. F., Tyutyunyk-Massey, L., Keim, R. C., Butler, S. E., Thekkudan, T., Joshi, S., Smith, T. M., Bandyopadhyay, D., Idowu, M. O., Bear, H. D., Payne, K. K., Gewirtz, D. A. and Manjili, M. H.(2018). Autophagy-deficient breast cancer shows early tumor recurrence and escape from dormancy. Oncotarget 9(31). DOI: 10.18632/oncotarget.25197

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